

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113016\  
 Data File : BF091362.D  
 Acq On : 30 Nov 2016 18:51  
 Operator : UM/SJ  
 Sample : H5779-02  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112816-DSDC-F-D-S

Quant Time: Dec 01 00:45:29 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 29 13:33:46 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 181030   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.15  | 136  | 753626   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.90  | 164  | 363458   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.38 | 188  | 548792   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.01 | 240  | 426454   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.44 | 264  | 399029   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 371520   | 33.53  | ng    | -0.02    |
| 7) Phenol-d6                | 6.48  | 99   | 338817   | 24.84  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 1253131  | 93.18  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 253488   | 73.67  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 2037643  | 101.51 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.97 | 244  | 1598815  | 81.49  | ng    | -0.02    |

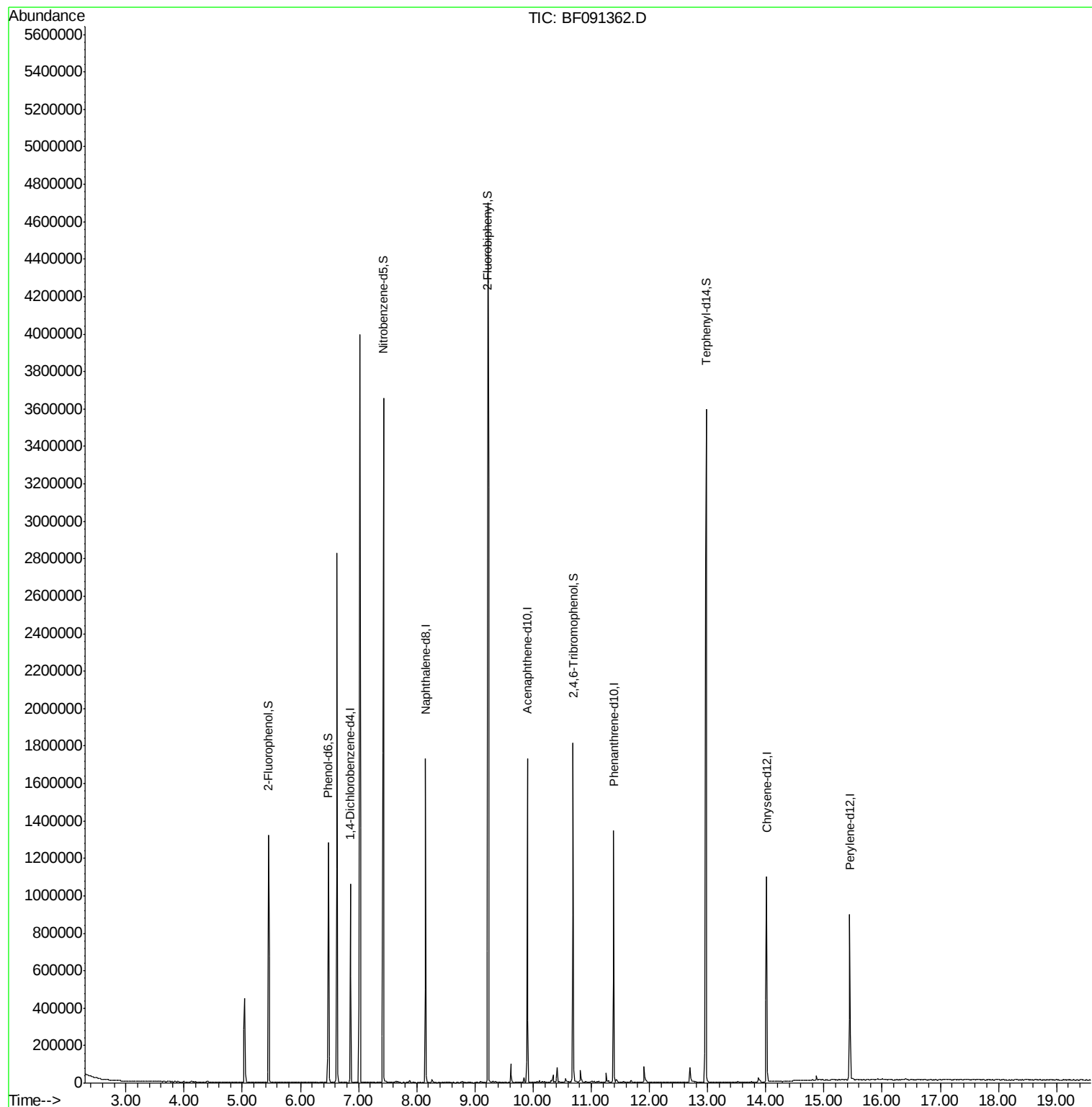
Target Compounds Qvalue

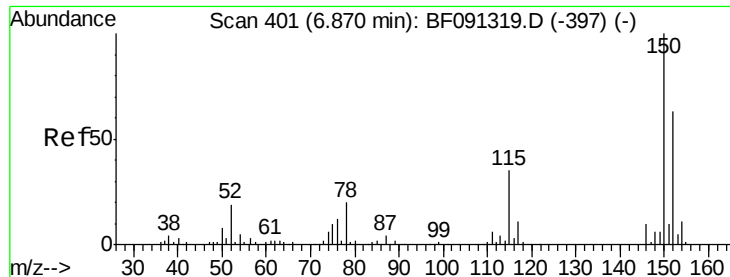
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
BNA\_F  
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112816-DSDC-F-D-S

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 29 13:33:46 2016  
Response via : Initial Calibration



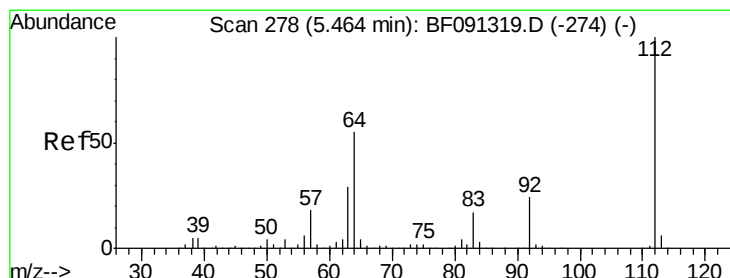
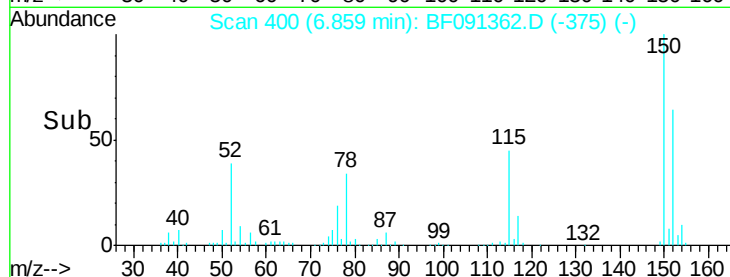
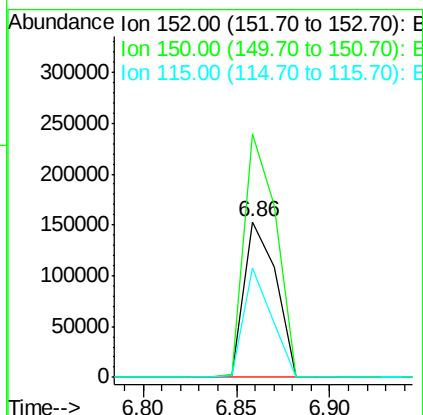
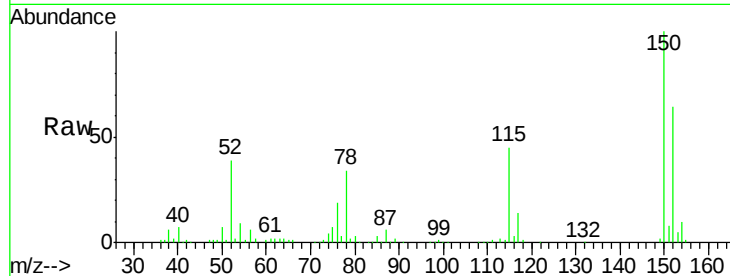


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.86 min Scan# 400  
Delta R.T. -0.02 min  
Lab File: BF091362.D  
Acq: 30 Nov 2016 18:51

Instrument :  
BNA\_F  
ClientSampleId :  
112816-DSDC-F-D-S

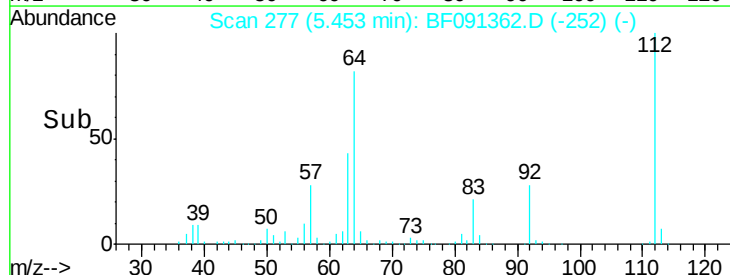
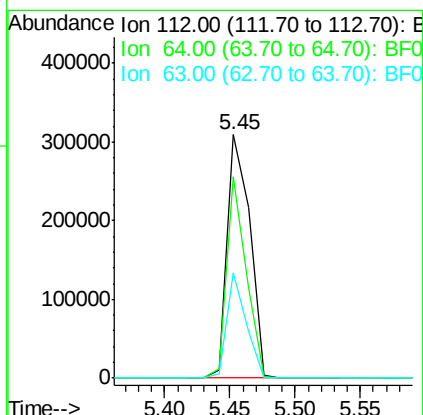
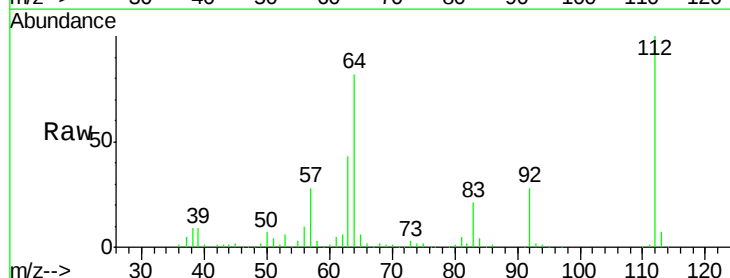
Tot Ion:152 Resp: 181030  
Ion Ratio Lower Upper  
152 100  
150 156.5 122.5 183.7  
115 70.3 51.8 77.8



#5

2-Fluorophenol  
Concen: 33.53 ng  
RT: 5.45 min Scan# 277  
Delta R.T. -0.02 min  
Lab File: BF091362.D  
Acq: 30 Nov 2016 18:51

Tgt Ion:112 Resp: 371520  
Ion Ratio Lower Upper  
112 100  
64 82.5 61.5 92.3  
63 43.5 33.3 49.9





#7

Phenol-d6

Concen: 24.84 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.02 min

Lab File: BF091362.D

Acq: 30 Nov 2016 18:51

Instrument :

BNA\_F

ClientSampleId :

112816-DSDC-F-D-S

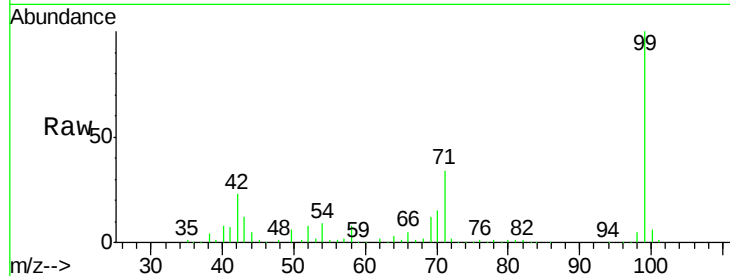
Tot Ion: 99 Resp: 338817

Ion Ratio Lower Upper

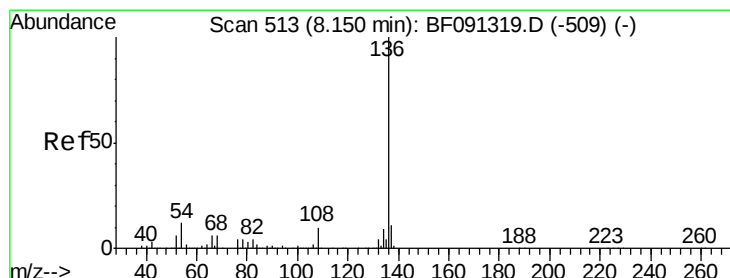
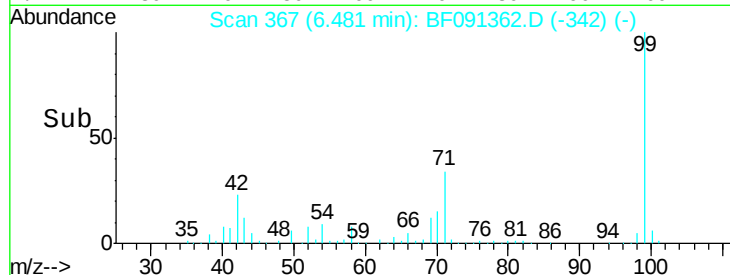
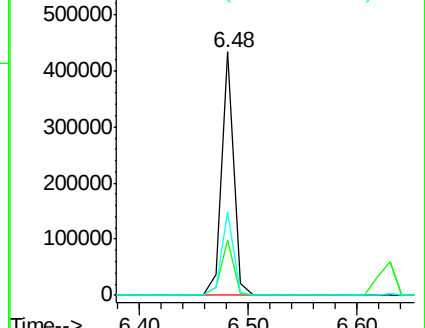
99 100

42 22.9 20.6 31.0

71 34.2 29.9 44.9



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF091362.D

Acq: 30 Nov 2016 18:51

Tgt Ion: 136 Resp: 753626

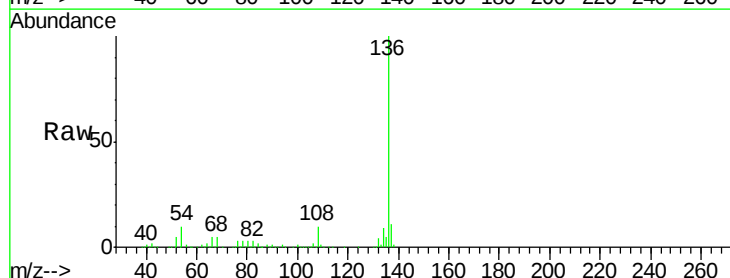
Ion Ratio Lower Upper

136 100

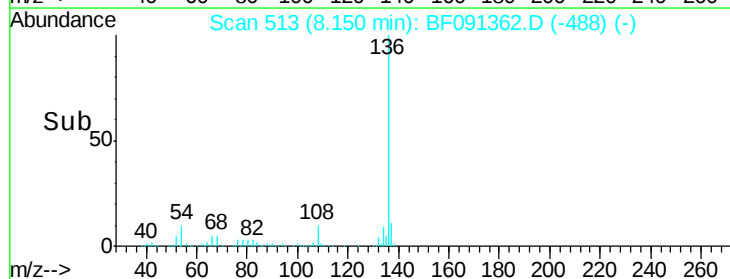
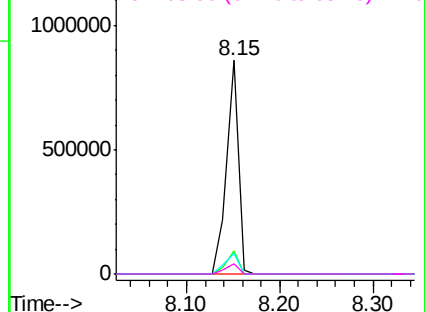
137 10.9 9.1 13.7

54 9.7 9.1 13.7

68 5.0 5.9 8.9#



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

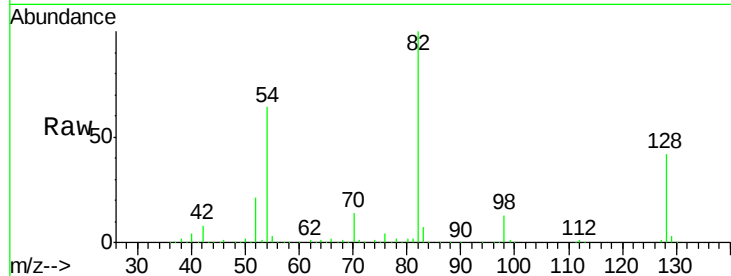




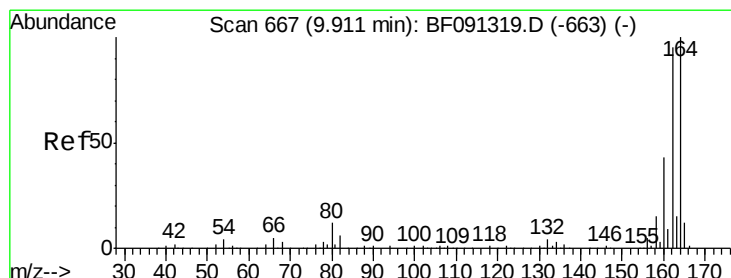
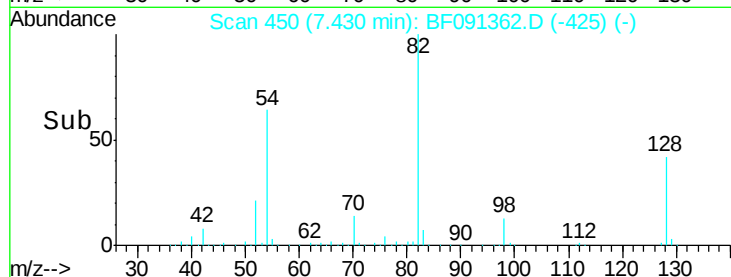
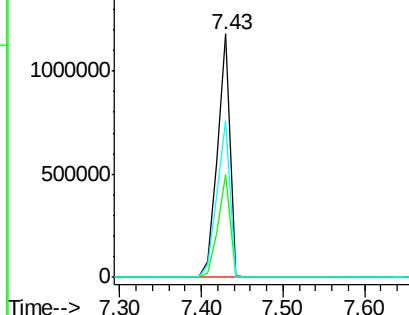
#23  
Nitrobenzene-d5  
Concen: 93.18 ng  
RT: 7.43 min Scan# 450  
Delta R.T. -0.02 min  
Lab File: BF091362.D  
Acq: 30 Nov 2016 18:51

Instrument :  
BNA\_F  
ClientSampleId :  
112816-DSDC-F-D-S

Tot Ion: 82 Resp: 1253131  
Ion Ratio Lower Upper  
82 100  
128 42.3 31.8 47.6  
54 64.1 49.1 73.7

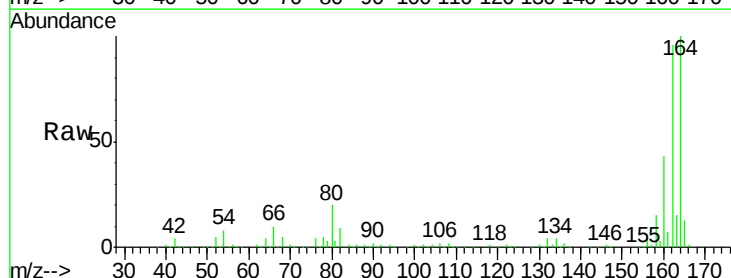


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

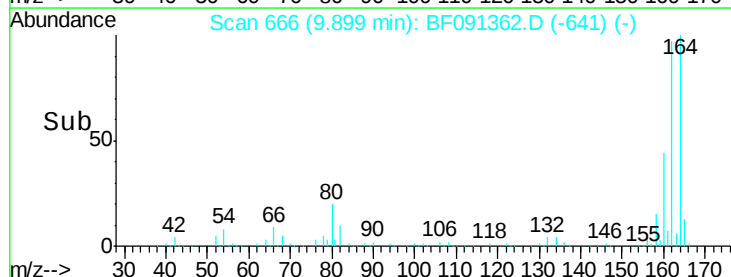
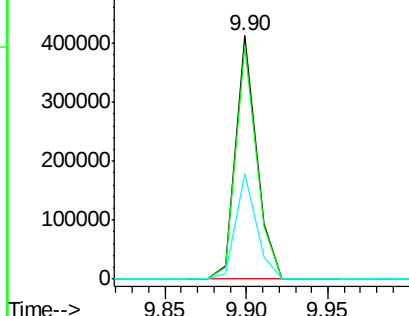


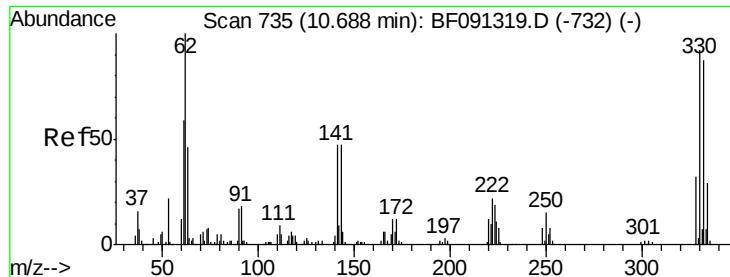
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.90 min Scan# 666  
Delta R.T. -0.02 min  
Lab File: BF091362.D  
Acq: 30 Nov 2016 18:51

Tgt Ion: 164 Resp: 363458  
Ion Ratio Lower Upper  
164 100  
162 95.9 82.6 124.0  
160 43.4 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

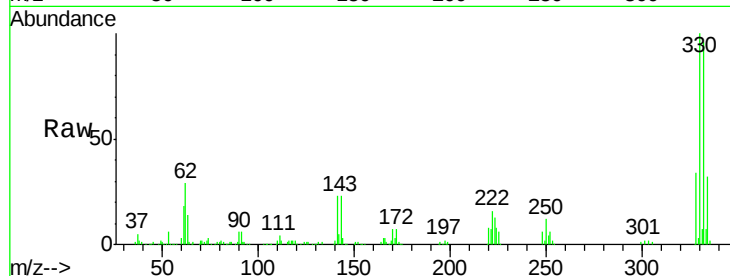




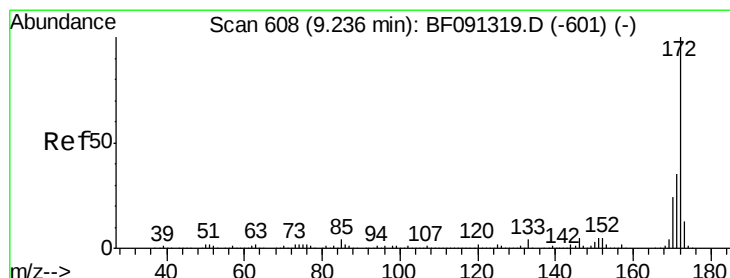
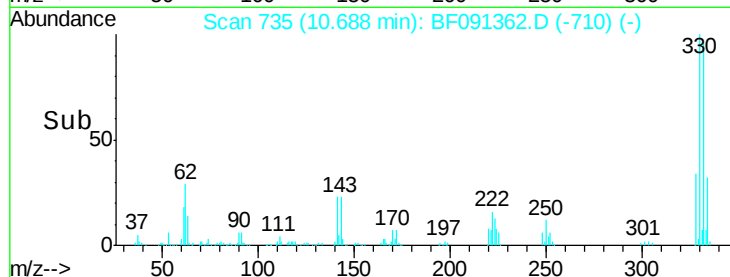
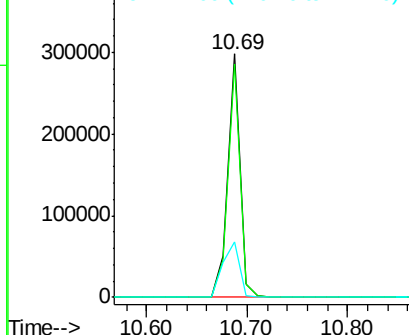
#41  
 2,4,6-Tribromophenol  
 Concen: 73.67 ng  
 RT: 10.69 min Scan# 735  
 Delta R.T. -0.02 min  
 Lab File: BF091362.D  
 Acq: 30 Nov 2016 18:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112816-DSDC-F-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 76.2  | 114.4 |
| 141     | 30.9  | 33.6  | 50.4# |

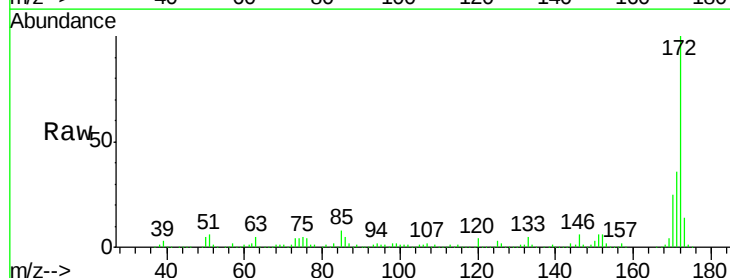


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

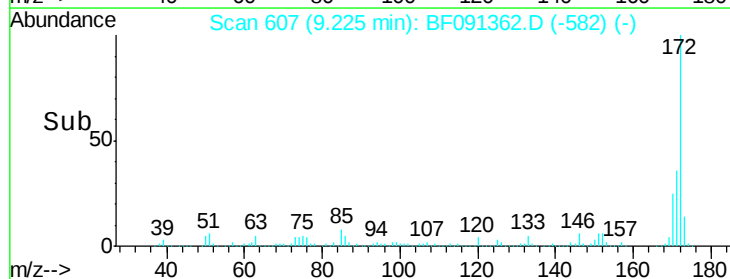
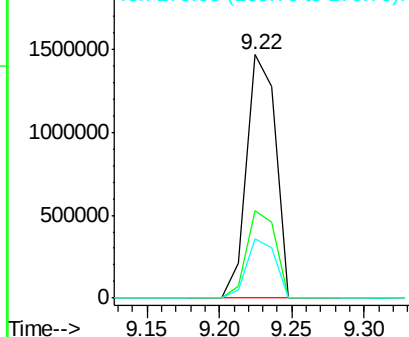


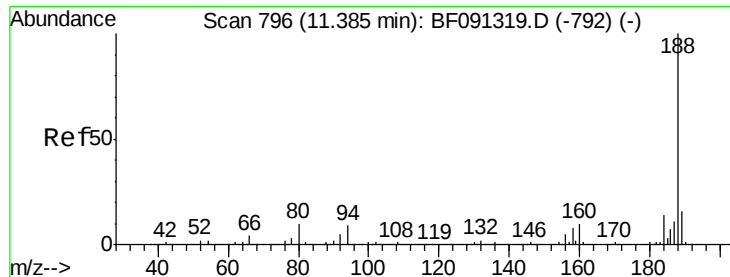
#44  
 2-Fluorobiphenyl  
 Concen: 101.51 ng  
 RT: 9.22 min Scan# 607  
 Delta R.T. -0.02 min  
 Lab File: BF091362.D  
 Acq: 30 Nov 2016 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.4  | 44.0  |
| 170     | 24.5  | 19.7  | 29.5  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

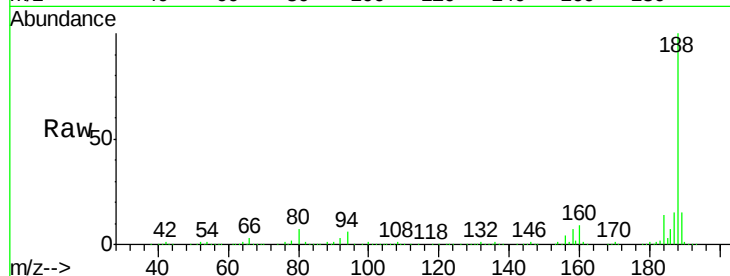




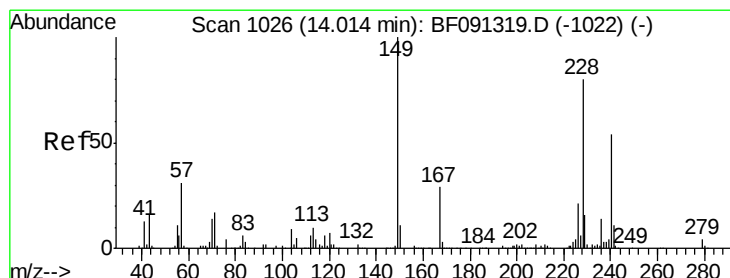
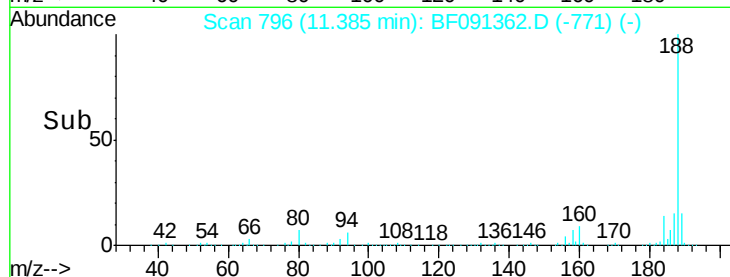
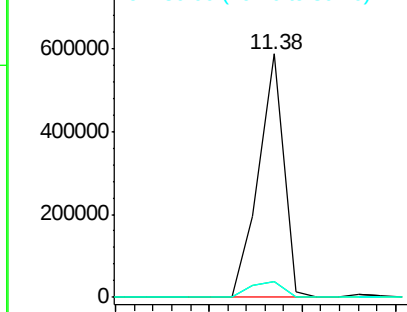
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 796  
Delta R.T. -0.02 min  
Lab File: BF091362.D  
Acq: 30 Nov 2016 18:51

Instrument :  
BNA\_F  
ClientSampleId :  
112816-DSDC-F-D-S

Tot Ion:188 Resp: 548792  
Ion Ratio Lower Upper  
188 100  
94 6.5 9.2 13.8#  
80 6.6 10.5 15.7#

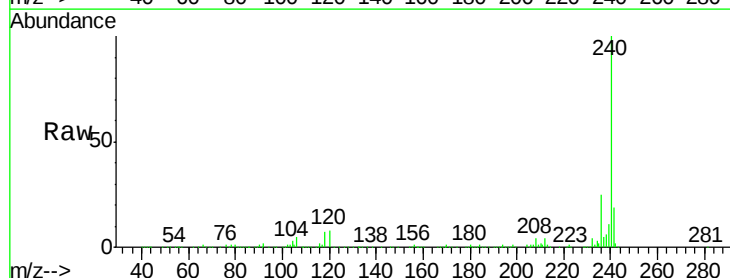


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

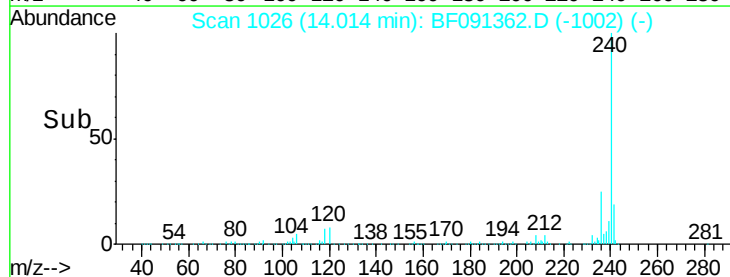
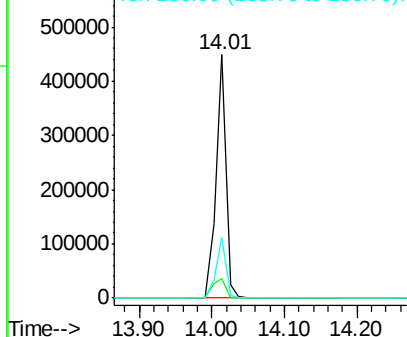


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.01 min Scan# 1026  
Delta R.T. -0.03 min  
Lab File: BF091362.D  
Acq: 30 Nov 2016 18:51

Tgt Ion:240 Resp: 426454  
Ion Ratio Lower Upper  
240 100  
120 7.9 12.1 18.1#  
236 24.9 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



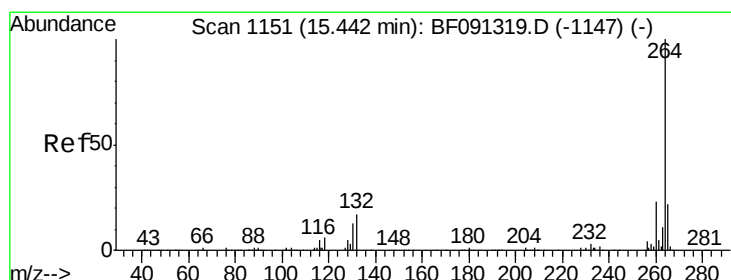
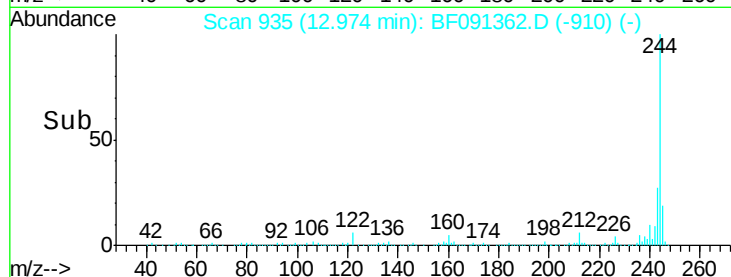
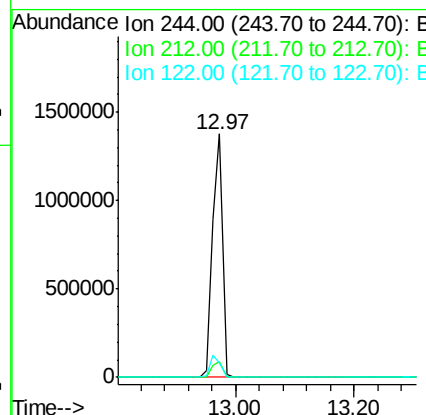
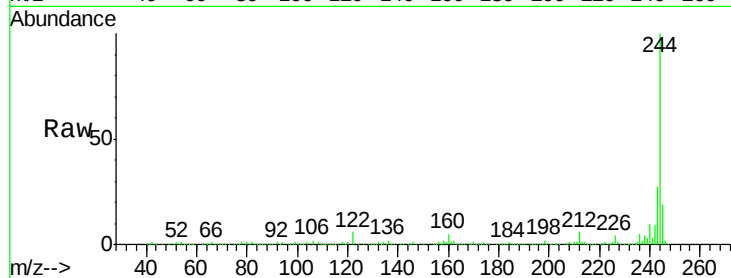


#78  
 Terphenyl-d14  
 Concen: 81.49 ng  
 RT: 12.97 min Scan# 935  
 Delta R.T. -0.02 min  
 Lab File: BF091362.D  
 Acq: 30 Nov 2016 18:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 112816-DSDC-F-D-S

Tot Ion:244 Resp: 1598815  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.5   | 6.5   | 9.7#  |
| 122 | 6.0   | 9.5   | 14.3# |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.44 min Scan# 1151  
 Delta R.T. -0.03 min  
 Lab File: BF091362.D  
 Acq: 30 Nov 2016 18:51

Tgt Ion:264 Resp: 399029  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 18.8  | 28.2  |
| 265 | 22.0  | 17.0  | 25.6  |

